

**Notice of Allowability**

Application No.	Applicant(s)
10/773,391	NORTON ET AL.
Examiner	Art Unit
Carl H. Layno	3766

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1.  This communication is responsive to Papers received on February 13, 2007.
2.  The allowed claim(s) is/are 1-6,8-12,14,15 and 17-37.
3.  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a)  All    b)  Some\*    c)  None    of the:
  1.  Certified copies of the priority documents have been received.
  2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3.  Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4.  A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5.  CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.  
(a)  including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached  
    1)  hereto or 2)  to Paper No./Mail Date \_\_\_\_\_.  
(b)  including changes required by the attached Examiner's Amendment / Comment or in the Office action of  
    Paper No./Mail Date \_\_\_\_\_.  
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6.  DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1.  Notice of References Cited (PTO-892)
2.  Notice of Draftperson's Patent Drawing Review (PTO-948)
3.  Information Disclosure Statements (PTO/SB/08),  
    Paper No./Mail Date \_\_\_\_\_
4.  Examiner's Comment Regarding Requirement for Deposit  
    of Biological Material
5.  Notice of Informal Patent Application
6.  Interview Summary (PTO-413),  
    Paper No./Mail Date \_\_\_\_\_
7.  Examiner's Amendment/Comment
8.  Examiner's Statement of Reasons for Allowance
9.  Other \_\_\_\_\_.

**DETAILED ACTION**

1. Acknowledgment is made of applicant's amendment, which was received by the Office on February 13, 2007.
2. Claims 7, 13, and 16 are canceled. Claims 1-6, 8-12, 14, 15, and 17-37 are active.

***Claim Rejections - 35 USC § 112***

3. In view of applicant's modifications to the claims, the Examiner is withdrawing the 35 U.S.C 112 2<sup>nd</sup> paragraph rejections, which were made against claims 26 and 33 in the last Office action.

***Claim Rejections - 35 USC § 102***

4. Upon further reconsideration of applicant's amendments to independent claims 1, 10, 24, and 31, the Examiner is withdrawing the 35 U.S.C 102(b) rejection of Kroll et al (US 5,904,705), which was made against claims 1, 5, 6, 10-12, 16, 24, and 31 in the last Office action. Kroll et al fail to teach a "means", steps, and corresponding software for optimizing battery discharge in the manner claimed by the applicant.

***Claim Rejections - 35 USC § 103***

5. Upon further reconsideration of applicant's amendments to the independent claims, the Examiner is also withdrawing the 35 U.S.C 103(a) rejection of Kroll et al (US 5,904,705) in

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view of KenKnight et al (US 6,112,117), which was made against depending claims 2-4, 25, 26, 32, and 33 in the last Office action.

***Examiner's Amendment***

6. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Carol Barry on April 23, 2007.

The application has been amended as follows:

- Claim 24, line 10, after the word "optimized", please add the words "by minimizing the amount of energy removed from the battery", and
- Claim 31, line 13, after the word "battery", please add the words "by minimizing the amount of energy removed from the battery".

***Allowable Subject Matter***

7. Claims 1-6, 8-12, 14, 15, and 17-37 are allowed.

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***Conclusion***

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Carl H. Layno whose telephone number is (571) 272-4949. The examiner can normally be reached on 9/4/5.

If attempts to reach the examiner by telephone are unsuccessful, you may leave a voice message or a fax. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Carl H. Layno

CARL LAYNO  
PRIMARY EXAMINER

CHL  
4/22/2007